

- 24 -

Claims

1. A self-retaining implant for attaching a bone cover
5 or a bone fragment, with:

- a support element with an upper side and a lower side, the lower side facing a surface of the bone cover or the bone fragment, and
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- an extension, which is arranged on the lower side of the support element and supports at least one spike, which extends towards the bone cover or bone fragment and can be driven laterally into the bone cover or bone
15 fragment.

2. The implant according to claim 1, characterized in that the extension extends substantially at right angles to the support element.
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3. The implant according to claim 1, characterized in that the support element comprises two support arms extending in opposite directions, the first of the two support arms cooperating with a skull bone and the second
25 of the two support arms cooperating with the bone cover or bone fragment.

4. The implant according to claim 1, characterized in that the support element has a strip-like form.
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5. The implant according to claim 1, characterized in that the lower side of the support element is concave or spherically curved at least in sections.
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- 25 -

6. The implant according to claim 1, characterized in that the spike is arranged at an end of the extension remote from the support element.

5 7. The implant according to claim 1, characterized in that the spike has a triangular form.

8. The implant according to claim 1, characterized in that the spike comprises sharpened edges.

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9. The implant according to claim 1, characterized in that, at its end cooperating with the skull bone, the support element comprises a screw hole.

15 10. The implant according to claim 9, characterized in that the support element has a thickness increasing in the direction of the screw hole.

20 11. The implant according to claim 9, characterized in that the screw hole is spherically curved on the inside.

12. A self-retaining implant for attaching a bone cover or a bone fragment a skull, with:

25 - a support element with an upper side and a lower side for contacting the bone cover or the bone fragment, and

30 - an extension, which is arranged on the lower side of the support element in such a manner that the support element and the extension form a T-shaped structure in cross section, the extension supporting at least one spike, which extends essentially parallel to the support element and can be driven laterally into the bone cover
35 or bone fragment.

- 26 -

13. A device for securing a self-retaining implant to a bone cover or bone fragment, with:

- a receiving element for the implant; and

- a driving-in mechanism which can be coupled with the receiving element for driving the implant, preferably at least one spike of the implant, laterally into the bone cover or bone fragment.

14. The device according to claim 13, characterized in that a striking force can be applied to the receiving element by means of the driving-in mechanism.

15. The device according to claim 14, characterized in that the driving-in mechanism comprises a striking element displaceable against a spring force.

16. The device according to claim 15, characterized in that the striking element is a first carriage guided coaxial to the receiving element.

17. The device according to claim 13, characterized in that the device comprises an operating mechanism, preferably finger-operated, for the driving-in mechanism.

18. The device according to claim 17, characterized in that the driving-in mechanism comprises a coupling device for coupling the operating mechanism with the striking element.

19. The device according to claim 18, characterized in that the driving-in mechanism comprises a decoupling device for decoupling the operating mechanism from the striking element.

- 27 -

20. The device according to claim 13, characterized in that the device is constructed as a gun.

21. The device according to claim 17, characterized in
5 that the operating mechanism is constructed as a gun trigger.

22. The device according to claim 18, characterized in that the operating mechanism is a gun trigger coupled
10 with a second carriage displaceable against a spring force, and the coupling device allows for a coupling of the first carriage with the second carriage.

23. The device according to claim 20, characterized in
15 that the receiving element is arranged in the manner of a gun barrel in relation to a gun body of the gun.

24. The device according to claim 13, characterized in that the receiving element comprises a self-locking
20 mechanism for the implant.

25. A device for securing a self-retaining implant to bone cover or a bone fragment, with

25 - a force-transmitting element for cooperating with the implant; and

- a driving-in mechanism for applying a striking force to the force-transmitting element in order to
30 drive-in the implant into the bone cover or bone fragment.

26. A device for securing a self-retaining implant to a bone cover or bone fragment, with:

35 - a receiving element for the implant and

- 28 -

- a force-receiving surface coupled in a force-transmitting manner with the receiving element for introducing a driving-in force into the implant, in order to drive the implant, preferably at least one spike of
5 the implant, laterally into the bone cover or into the bone fragment.

27. The device according to claim 26, characterized in that the receiving element comprises a self-locking
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